FEDERAL COMMUNICATIONS COMMISSION GETTYSBURG, PA

Approved by OMB 3060-0020 Expires 5/31/99 See page 3 of instructions for public burden

APPLICATION FOR GROUND RADIO STATION AUTHORIZATION IN THE AVIATION SERVICES

GENERAL INSTRUCTIONS —

*CORRECT FORM - Use this form to apply for ground station authorization in the Aviation Services when requesting a new license, modifying and/or renewing an existing license, or requesting an assignment of a station currently authorized to someone else.

Do not use this form to apply for Civil Air Patrol station authorization. Use FCC Form 480.

- *NUMBER OF APPLICATIONS Submit separate applications if you are applying for a ground mobile station license and a fixed point station license. Exception: When applying for an Aeronautical Enroute and associated Aeronautical Fixed Station, submit only one application.
- *FCC RULES Before this application is prepared, applicant should refer to the applicable part of the Commission's Rules. If you wish to purchase FCC Rules, CFR 47, (Part 80 to end), contact the Superintendent of Documents, Government Printing Office, Washington, DC 20402, or you may call (202) 512-1800 for the correct price.
- *FEES Each application in the Aviation Ground Services must be accompanied by a fee. See the Wireless Telecommunications Bureau Fee Filing Guide for the correct amount. DO NOT SEND CASH. Checks or money orders must be made payable to FCC. Additional information concerning fees may be obtained through the FCC Consumer Assistance Branch, Gettysburg, PA at (800) 322-1117 or (717) 338-2500.
- MAILING APPLICATIONS Mail your completed application, with fee, to:

Federal Communications Commission Aviation Ground Service P. O. Box 358260 Pittsburgh, PA 15251-5260

FEE EXEMPTIONS - Eligibles filing as Civil Air Patrol or as governmental entities are exempt from the fee requirement. Mail your application to:

> Federal Communications Commission 1270 Fairfield Road Gettysburg, PA 17325-7245

INSTRUCTIONS FOR COMPLETING SELECTED ITEMS

ITEM 1. Individual – Enter the individual's last name, first name, and middle initial. Individuals doing business as (DBA) a firm or trade name (sole proprietorship), enter both the individual's name and the firm or trade name.

Corporation - Enter the corporate name only as it appears in the Articles of Incorporation. Do not apply in the name of a division of the corporation.

Unincorporated Association – Enter the name of the association as it appears in the Articles of Association or By-Laws.

Governmental Entity - Enter the name of the Governmental Entity having legal jurisdiction over the station, e.g., City of New York, State of Maine. Do not apply in the name of a department, commission, or other arm of the governmental entity.

Partnership - Enter business name, if any. In all cases, the names of all partners must be listed. If more space is needed, use Page 3, item 43 of the application.

ITEMS 2 - 5. Enter the applicant's permanent U.S. mailing address.

ITEM 6. Enter the call sign of the station to be modified or renewed, if applicable.

ITEM 7. Enter the appropriate Fee Type Code for this application. See the Wireless Telecommunications Bureau Fee Filing Guide.

ITEM 8. Enter the number of stations as the Fee Multiple. Normally, the Fee Multiple will be "1", unless you are filing for an Aeronautical Enroute and associated Aeronautical Fixed Station, in which case the Fee Multiple will be "2".

ITEM 9. Enter the amount of the Fee Due. To determine the Fee Due for this application, multiply the Fee Multiple (item 8) by the amount associated with the Fee Type Code (item 7). See the Wireless Telecommunications Bureau Fee

Filing Guide or FCC 1070-G for the fee amount and Fee Type Code.

ITEM 12a. Enter the appropriate class of station code from the following table:

AF SERVICE:

CODE	CLASS OF STATION
AX	Aeronautical Fixed
FA	Aeronautical Enroute
FAA	Aeronautical Advisory (Unicom)
FAB	Automatic Weather Observation
FAC	Airport Control Tower or RCO
FAS	Aviation Support Instructional
FAT	Flight Test
FLU	Aviation Support Service
MFL.	Aeronautical Multicom

AA SERVICE:

CODE	CLASS OF STATION
SAR	Aeronautical Search and Rescue
MOU	Aeronautical Utility Mobile
AOX	Operational Fixed

AR SERVICE:

CODE	CLASS OF STATION
RLA	Aeronautical Marker Beacon
RLB	Aeronautical Radio Beacon
RLD	Radar/Radar Test
RLG	Glide Path (Slope)
RLL	Localizer
RLO	Omnidirectional Radio Range
RLT	Radionavigation Land Test
RNV	Radionavigation Land
FIT	FIT Test

NOTE: Where appropriate, follow each code with a "1" for Mobile operations; "2" for Temporary operations; or "3" for Itinerant operations.

ITEM 12b. Enter the appropriate Radio Service code from the following table:

CODE RADIO SERVICE

AF Aeronautical and Fixed

AA Aviation Auxiliary Group

AR Aviation Radionavigation

FOR THE FOLLOWING CLASSES OF STATIONS, SUPPLY THE INDICATED SUPPLEMENTAL INFORMATION ON PAGE 3 OF THE APPLICATION FORM:

AERONAUTICAL ADVISORY (UNICOM). A NOTIFICATION OF YOUR INTENT TO FILE THIS APPLICATION MUST BE MADE IN WRITING, WITHIN 10 DAYS PRECEDING THE FILING OF THE APPLICATION, TO THE OWNER OF THE LANDING AREA AND TO EACH AVIATION SERVICE ORGANIZATION AT THE LANDING AREA. In a supplemental statement, give the name of the owner of the landing area, the date the owner was notified, the names of all aviation service organizations at the landing area and the date they were notified. Note: A supplemental statement is required at uncontrolled (non-towered) airports only.

AERONAUTICAL MULTICOM. Station authorization will be granted only to those applicants showing a need for communications in accordance with the Scope of Service for this class of station as set forth in the Commission's Rules, Part 87. Each application must include a statement of the purposes for which communications are needed.

FLIGHT TEST. Station authorizations are granted only to manufacturers of aircraft or major aircraft components; or to a parent corporation or its subsidiary if either is a manufacturer of aircraft or major aircraft components. A statement must be made showing the applicant's eligibility. If the radio facilities are required because of a government contract, include the contract number and the name of the government department or agency. Also attach any frequency coordination that may be required.

AVIATION SUPPORT-INSTRUCTIONAL. Station authorizations are granted only to FAA authorized flying schools and persons engaged in soaring activities. A statement of eligibility must accompany the application.

AVIATION SUPPORT-SERVICE. Each application must include a statement of eligibility indicating that the applicant is the operator of the airport or an aviation service organization located on the airport.

AIRPORT CONTROL TOWER, (RCO), AUTOMATIC WEATHER OBSERVATION and RADIONAVIGATION. The Federal Aviation Administration (FAA) must be notified that this application is being submitted. Notification to the FAA must be made concurrently with the filling of this application. Complete items 41a and 41b accordingly. Applications submitted without the required FAA notification will be returned to the applicant without action.

ITEM 13. Check the purpose for filing the application. If requesting authority to operate a station presently authorized in the name of another person, check "Assignment of Authorization", and submit a completed FCC Form 1046. FCC Form 1046 must be completed by the existing licensee. As a substitute for FCC Form 1046, a written declaration signed by the existing licensee relinquishing all right, title and interest in the station, may be submitted.

- ITEM 14. Check "YES" if a Commission grant of the proposed communications facility would be an action which may have a significant environmental effect. Such actions include:
 - (a) a new antenna or structure (including any appurtenances or lighting) located in a residential area, or a change to such a structure, which results in FAA imposition of a requirement or option, for high intensity white hazard lighting;
 - (b) facilities which are to be located in an officially designated wilderness area, wildlife preserve, or floodplain;
 - (c) facilities which will affect sites significant in American History;
 - (d) construction which involves extensive changes in surface features. Further details may be found in Sections 1.1306 and 1.1307 of the Commission's Rules.
- If the answer to item 14 is "YES", submit the required Environmental Assessment (EA) along with the application. The EA includes:
 - (a) a description of the facilities (including height and special design features, access roads and power lines), a description of the site, the surrounding area and its uses, and a discussion of environmental and other considerations which led to its selection;
 - (b) the zoning classification of the site (if any) and communications with or proceedings before zoning, planning, environmental, or other local, state, or federal authorities on matters relating to the environmental effect;
 - (c) a statement as to whether construction of the facilities has been a source of controversy on environmental grounds in the local community;
 - (d) a discussion of the nature and extent of any unavoidable adverse environmental effects perceived by the applicant and (where adverse effects are present) a discussion of any efforts made to minimize such effects and of any alternative routes, sites or facilities which have been or might reasonably be considered. Further details may be found in Sections 1.1308 and 1.1311 of the Commission's Rules.
- ITEM 15. Complete ONLY if for a Mobile, Temporary, or Itinerant station.
- ITEMS 16 17. Complete for a Fixed station. Minutes and seconds cannot exceed 59. Coordinates used must be based on North American Datum 27 (NAD 27).
- ITEM 18. Complete this item only if there will be a control point, other than at the transmitter. Be specific in describing the location of control point(s), using building number coordinates, etc. If the description is otherwise the same as the transmitter site, give room number, floor, etc.
- ITEM 20. This item must be completed. Transmitters must be acceptable for licensing in accordance with the applicable technical specifications set forth in Subpart D Part 87 of the Commission's Rules. Provide FCC type acceptance number, not manufacturer's model number.
- ITEM 22. Frequencies must be shown and should concur with the class of station as indicated in item 12.

- ITEM 27. This item must be answered "Yes" for the following classes of station: Aeronautical Advisory, Aeronautical Enroute/Fixed, or Airport Control Tower Stations
- ITEMS 28 32. These items are required to be completed for Aeronautical Enroute and Aeronautical Fixed Stations when applicable. (HF frequencies only.) VHF stations complete items 28 through 30 only.
- ITEM 34. This figure must reflect the height of the antenna applied for in this application, to its highest point above ground level.
- ITEMS 40a 40d. Normally, if the antenna structure is 6.1 meters (20 feet) or less in height, no notice is required to be given to the Federal Aviation Administration (FAA).

You must notify the FAA on their form, FAA 7460-1, with certain limited exceptions as set forth in Part 17 of FCC Rules and Part 77 of FAA Rules, or any of the following construction or alteration of an antenna structure:

- (1) Construction of any new antenna structure, or alteration of any existing antenna structure, which would result in the top of the antenna or the antenna structure exceeding a height of 60.96 meters (200 feet) above ground level at the antenna site.
- (2) Construction of any new antenna structure, or alteration of any existing antenna structure, which would result in the top of the antenna or the antenna structure exceeding the height of an imaginary surface extending outward and upward at one of the following slopes:
 - (a) 100 to 1 for a horizontal distance of 6.10 kilometers (20,000 feet) from the nearest point of the nearest runway of each airport with at least one runway more than 0.98 kilometers (3,200 feet) in length, excluding heliports and seaplane bases without specified boundaries, if that airport is either listed in the Airport Directory of the current Airman's Information Manual or is operated by a Federal military agency.
 - (b) 50 to 1 for a horizontal distance of 3.05 kilometers (10,000 feet) from the nearest point of the nearest runway of each airport with its longest no more than 0.98 kilometers (3,200 feet) in length, excluding heliports and seaplane bases without specified boundaries, if that airport is either listed in the Airport Directory of the current Airman's Information Manual or is operated by a Federal military agency.
 - (c) 25 to 1 for a horizontal distance of 1.52 kilometers (5,000 feet) from the nearest point of the nearest landing and take off area of each heliport listed in the Airport Directory of the current Airman's Information Manual or is operated by a Federal military agency.

- (3) Any construction of an antenna structure (or any alteration of an antenna structure that would increase its height) on an airport listed in the Airport Directory of the current Airman's Information Manual.
- (4) When requested by the FAA, any construction or alteration that would be in an instrument approach area (defined in the FAA standards governing instrument approach procedures) and available information indicates it might exceed an obstruction standard of the FAA.

If you intend to install towers of unusual height or at locations in close proximity to aircraft landing areas, it will be to your advantage to discuss the location and height of the antenna in detail with the appropriate FAA area office before filing your application.

<u>ITEM 41a - 41b.</u> These items must be completed for Airport Control Tower (RCO), Automatic Weather Observation and Radionavigation. The Federal Aviation Administration (FAA) must be notified that this application is being submitted. Notification to the FAA must be made concurrently with the filing of this application. Applications submitted without the required FAA notification will be returned to the applicant without action.

ITEM 42. This item must be completed by those filing for Aeronautical Enroute or Aeronautical Fixed Stations only. Other applicants need not certify.

ALL APPLICANTS MUST COMPLETE ITEM 44 OF THE CERTIFICATION, SIGN AND DATE THE APPLICATION.

Public reporting burden for this collection of information is estimated to average one hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate, or any other aspect of this collection of information, including suggestions for reducing the burden to Federal Communications Commission, Records Management Branch, AMD-IM, Washington, DC 20554, Paperwork Reduction Project (3060-0020), or via the Internet to dconway@fcc.gov. DO NOT SEND COMPLETED APPLICATIONS TO THIS ADDRESS. Individuals are not required to respond to a collection of information unless it displays a currently valid OMB control number.

Approved by OMB 3050-0020 Expires 5/31/199 See Instructions for information regarding public burden estimate

FEDERAL COMMUNICATIONS COMMISSION

ublic burden estimate			USE
Α	PPLICATION	FOR	ON
GROUND RAD	IO STATION	AUTHORIZATION	<u> </u>

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IN THE AVIATION SERVICES						PRB USE ONLY			
1. Applicant Name:	· ·		· · · · · · · · · · · · · · · · · · ·		<u></u>		· · · · · · · · · · · · · · · · · · ·		
2. (A) Number and Street addre	ss:								
(B) Street address continuation	n:	• •							****
3. City:		4. S	tate:			5. ZIP Cod	e:	·	
6. Call Sign (If applicable):	7. Fee Type Code:	8. F	ee Mı	ultiple:	Itiple: 9. Fee Due:			FCC USE ONLY	
-						\$			
10. Name of person to contact for questions:			19.	Statem	nent o	f Eligibility:			
Phone #: ()	FAX #: ()								
11. Applicant Status: Individual Corporation Governmental Partnership Association Entity 12a. Class of Station (see instructions): 12b. Service:									
12 Diverse of Application [7]									
13. Purpose of Application: Renewal New Station Renewal with Modification Modification Assignment of Authorization			20. Quai	Transn ntity	nitter	Information <u>Manufact</u>			use Item 43): e Number
14. Would a Commission grant of your application be an action which may have a significant effect as defined by Section 1.1307 of the Commission's Rules? If "YES", submit the statement as required by Sections 1.1308 and 1.1311.									
15. For a MOBILE STATION only, give detailed area of operation:			21.	Propos	sed H	ours of Op	eration:	· ·	
			22a	. Frequ (kHz	encie or Mi			ndwidth and ission	22c. Maximum Output Power
 For a GROUND FIXED POINT STATION only, give Name of Landing Area (if any): 									
17a. Number & Street or other in	dication of station loca	ation:							
17b. City: Cou	unty: S	tate:	1						
17c. Latitude Lon	gitude o , "	W						:	
18. Location of Control Point(s) (transmitter):	Other than at the								,
			23.	Operat	ional	Altitude (If	applicable):	•	24. (Reserved)

25. (Reserved)	26. (Reserved)			
27. Will service of the station be available to any	aircraft desiring to use it?	YES NO		
28. Antenna gain 29. Azimuth of Major Lobe if directional antenna is used	30. Transmission line loss	31. Half power Beamwidth 32. Receiving Zone		
db East of True North	db			
Use the Antenna Arrangements sh	nown below to answer items 33	through 40d		
ANTENN	NA ARRANGEMENTS (NOT TO SCA	ALE)		
	Figure 2 In another structure Mou	Figure 3 unted on an existing antenna structure		
a b b c c b large of the shows entenne arrangements.				
33. Which one of the above antenna arrangements Figure 1 Figure 2 Figure 3		be made from Figures 1-3, attach a		
34. Give the overall height above ground to the tip		(a) meters		
35. Give the overall height above ground of the hig	ghest point of the structure. (b)	(b) meters		
36. Give the ground elevation above mean sea level	el at the antenna site. (c)	(c) meters		
37. Provide a description of the structure on which	th the antenna is mounted (example			
38. Will antenna be mounted on a structure with an licensee.	an existing antenna? If YES, give o	call sign and radio service of existing		
☐ YES ☐ NO C		Radio Service:		
39a. Give the name of the nearest aircraft landing ar	the nearest ru			
☐ YES ☐ NO				
Radionavigation Land AIRPORT CONTROL TOWER Automatic Weather Observation Stations 41a. FAA Regional Office Notified: 41b. Date of Notification:				
THIS SECTION APPLIES ONLY TO APPLICANTS FOR AERONAUTICAL ENROUTE AND AERONAUTICAL FIXED STATIONS. APPLICANTS MUST CERTIFY THAT THEY ARE NOT: 1. An alien or the representative of any alien; 2. A corporation organized under the laws of any foreign government; 3. A corporation of which any officer or director is an alien or of which more than one-fifth of the capital stock is owned of record or voted by aliens or their representatives or by a foreign government or representative thereof or by any corporation organized under the laws of a foreign country. 4. A corporation directly or indirectly controlled by any other corporation of which any officer or more than one-fourth of the directors are aliens or of which more than one-fourth of the capital stock is owned of record or voted by aliens, their representatives, or by a foreign government or representative thereof, or by any corporation organized under the laws of a foreign country.				
42. DOES APPLICANT SO CERTIFY?	L] YES	□ NO		

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ALL APPLICANTS MUST COMPLETE CERTIFICA	ATION, SIGN AND DATE APPLICATION
READ CAREFULLY BEFORE SIGNING:	
 Applicant waives any claim to the use of any particular frequent Applicant will have unlimited access to the radio equipment and Neither applicant nor any member thereof is a foreign government Applicant certifies that all statements made in this application in good faith. 	d will control access to exclude unauthorized persons. nent or representative thereof.
Applicant certifies that the signature is that of the individual, a corporation, or officer who is a member of an unincorpora official on behalf of a governmental entity.	ated association, or an appropriate elected or appointed
*Neither the applicant nor any other party to the application FCC benefits, pursuant to Section 5301 of the Anti-Drug Ab a conviction for possession or distribution of a controlled sub	ouse Act of 1988, 21 U.S.C. Section 862 because of
WILLFUL FALSE STATEMENTS MADE ON THIS F	TODM ARE RUNISHARIE BY FINE AND OR
IMPRISONMENT (U.S. CODE, TITLE 18, SECTION 100 LICENSE OR CONSTRUCTION PERMIT (U.S. CODE FORFEITURE (U.S. CODE, TITLE 47, SECTION 503).	1), AND/OR REVOCATION OF ANY STATION
SIGNATURE	DATÉ

43. REMARKS/ADDITIONAL INFORMATION:

FCC NOTICE TO INDIVIDUALS REQUIRED BY THE PRIVACY ACT AND THE PAPERWORK REDUCTION ACT OF 1995. The solicitation of personal information requested in this form is authorized by the Communications Act of 1934, as amended. The Commission will use the information provided in this form to determine whether grant of this application is in the public interest. In reaching that determination, or for law enforcement purposes, it may become necessary to refer personal information contained in this form to another government agency. In addition, all information provided in this form, as well as the form itself, will be available for public inspection. If information requested on the form is not provided, processing of the application may be delayed or the application may be returned without action pursuant to Commission rules. The foregoing notice is required by the Privacy Act of 1974, Public Law 93–579, December 31, 1974, 5 U.S.C. Section 552a(e)(3) and the Paperwork Reduction Act of 1995, Public Law 104–13, October 1, 1995, 44 U.S.C. 3507.

NOTE - FEE INCREASE

Effective with FCC application receipts of 9/12/96, the fee increases to \$105 for new an renewal and \$90 for modification. If your application is not received at the FCC prio to 9/12/96, the fee increase applies.

NOTICE OF FEE DUE FOR FCC 406 EFFECTIVE SEPTEMBER 18, 1995

NEW LICENSE

- FCC 406 APPLICATION FOR A LAND RADIO STATION AUTHORIZATION IN THE AVIATION SERVICES (Edition dates prior to 4/9) are not acceptable)
- \$100.00 FEE (See METHOD OF PAYMENT on reverse)
 EXCEPTION: When applying for an Aeronautical Enroute and associated Aeronautical
 Fixed Station, the fee due is \$200.00
- PAYMENT/FEE TYPE CODE: PBVR
- SEND YOUR APPLICATION PACKAGE TO:

Federal Communications Commission Aviation Ground Service P.O. Box 358260 Pittsburgh, PA 15251-5260

MODIFIED LICENSE (License retains expiration date of existing authorization)

- FCC 406 APPLICATION FOR A LAND RADIO STATION AUTHORIZATION IN THE AVIATION SERVICES (Edition dates prior to 4/91 are not acceptable)
- \$85.00 FEE (See METHOD OF PAYMENT on reverse)
 EXCEPTION: When applying for an Aeronautical Enroute and associated Aeronautical
 Fixed Station, the fee due is \$170.00
- PAYMENT/FEE TYPE CODE: PBVM
- SEND YOUR APPLICATION PACKAGE TO:

Federal Communications Commission Aviation Ground Service P.O. Box 358765 Pittsburgh, PA 15251-5765

ASSIGNMENT OF AUTHORIZATION (License retains expiration date of existing authorization) In addition to the above instructions for Modified License, complete and submit FCC 1046 - APPLICATION FOR ASSIGNMENT OF AUTHORIZATION.

RENEWAL OF LICENSE

The Commission will send you an Application for Renewal, FCC 452R, approximately 90 days prior to expiration of the license. File FCC 452R in accordance with instructions thereon. If you do not receive FCC 452R at least 30 days prior to license expiration, you may file for renewal on FCC 406 in accordance with instructions provided above for NEW LICENSE.

FEE EXEMPTION

Eligibles filing as Civil Air Patrol or as Governmental Entities are exempt from fees and should submit their applications to:

Federal Communications Commission 1270 Fairfield Road Gettysburg, PA 17325-7245

Certain non-profit entities are eligible for a partial fee exemption. To determine if you qualify, please refer to the Wireless Telecommunications Bureau Fee Filing Guide or call the FCC at the number shown on reverse.

METHOD OF PAYMENT

Payment of fees may be made by check, bank draft, money order or credit card. If paying by check, bank draft or money order, your remittance must be denominated in U.S. dollars, drawn on a U.S. financial institution and made payable to "FCC". No postdated, altered or third-party checks will be accepted. No checks will be accepted if issue date is older than six months. DO NOT SEND CASH.

FCC FORM 159 - FCC REMITTANCE ADVICE FORM

FCC Form 159 must be used when paying for multiple applications with a single payment instrument, a single application with multiple remittances, and when paying by credit card or money order. FCC Form 159 is also required for any actions not requiring a specific FCC Form.

COURIER OR HAND DELIVERY OF APPLICATIONS

If you wish to hand carry or courier your feeable application to Pittsburgh, it should be enclosed in a sealed envelope with the appropriate Post Office address clearly marked on the outside. If you are filing applications for multiple post office boxes, they must be enclosed in a separate envelope for each different Post Office Box address. Applications may be delivered to the bank at the following address:

Federal Communications Commission c/o Mellon Bank 525 William Penn Way 27th Floor, Room 153-2713 Pittsburgh, PA 15259 Attn: Wholesale Lockbox Shift Supervisor

Although feeable applications may be hand delivered to Pittsburgh 24 hours a day, 7 days per week, the formal filing date of an application will be either the date it was delivered, if that day was a regular FCC business day, or the next regular FCC business day, if the delivery date was a weekend or FCC holiday.

APPLICATION FORMS

Several manufacturers place application forms and applicable information in boxes of radio equipment for sale. The forms present in your radio equipment box may be outdated and reflect erroneous information causing delay in the processing of your application.

You may obtain application forms from the Commission's Forms Distribution Center, 9300 East Hampton Drive, Capital Heights, MD 20743, toll free (800) 418 - FORM (3676) or from the FCC's Fax-on-Demand system by calling (202) 418 - 0177 from the handset of your fax machine (request the index to find out the document number first). Some forms are available by downloading from the FCC's internet homepage on the World Wide Web at http://www.fcc.gov/forms.

QUESTIONS

If you have any questions regarding your application and/or fee, you may call the Consumer Assistance staff, Gettysburg, PA at (800) 322 - 1117 or (717) 338 - 2500.